A

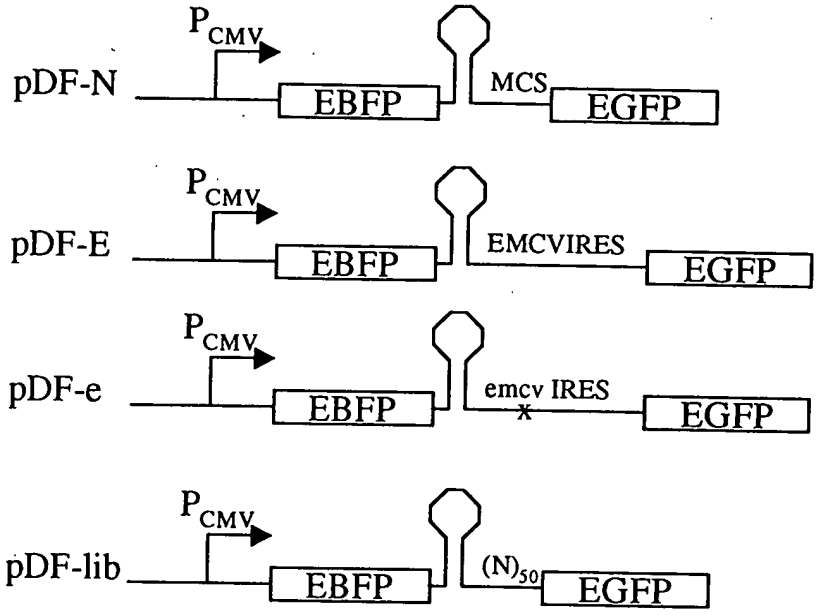
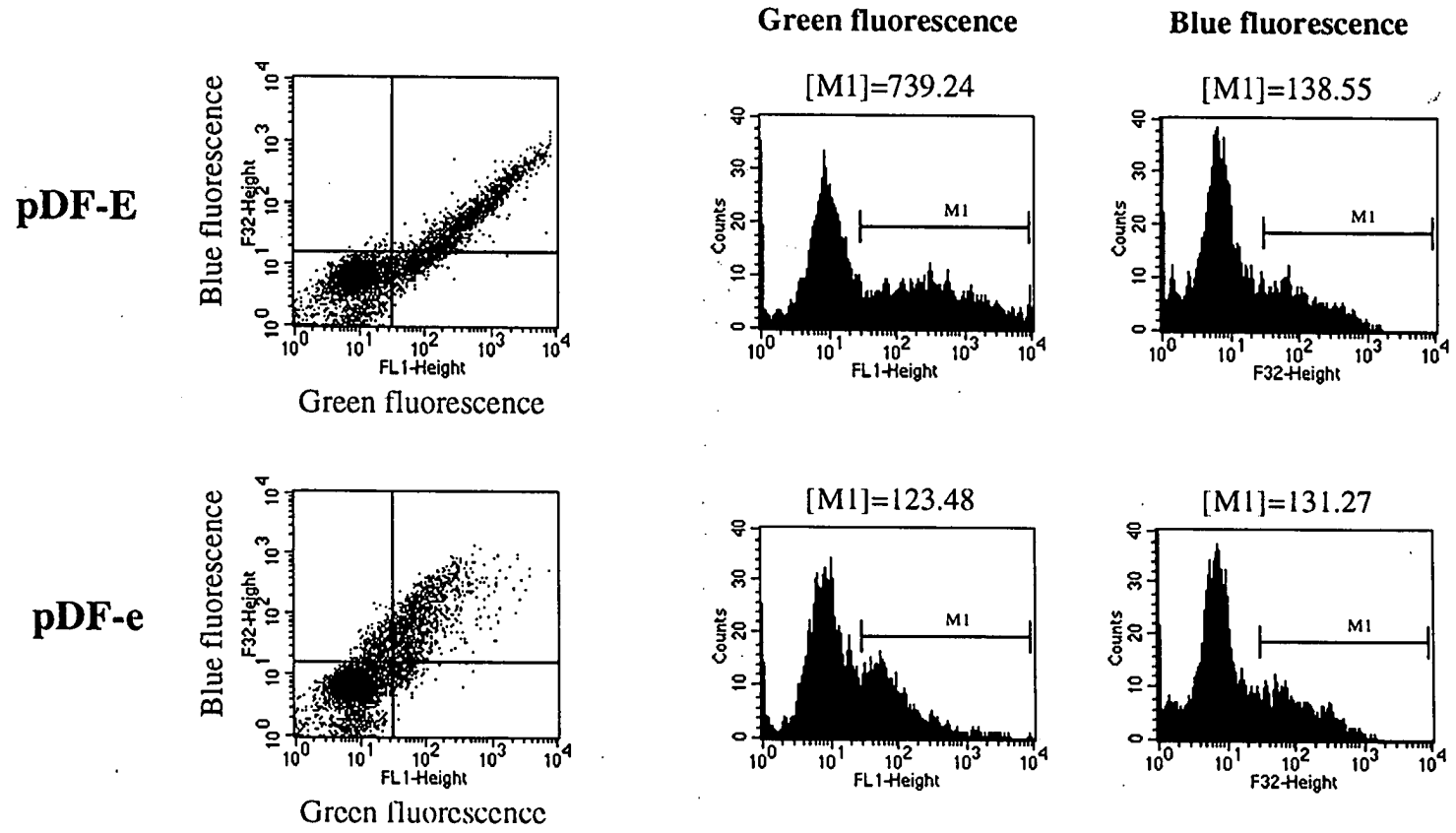

pDF-N
P CMV
EBFP
MCS
EGFP
pDF-E
P CMV
EBFP
EMCVIRES
EGFP
pDF-e
P CMV
EBFP
emcv IRES
EGFP
pDF-lib
P CMV
EBFP
(N)50
EGFP

FIGURE 1a

20T0E0 T2T2800T

Title: METHOD TO IDENTIFY IRES ELEMENTS
Inventors: Asim DASGUPTA et al.
Application No.: Not yet assigned
Docket No.: 220002063600

B

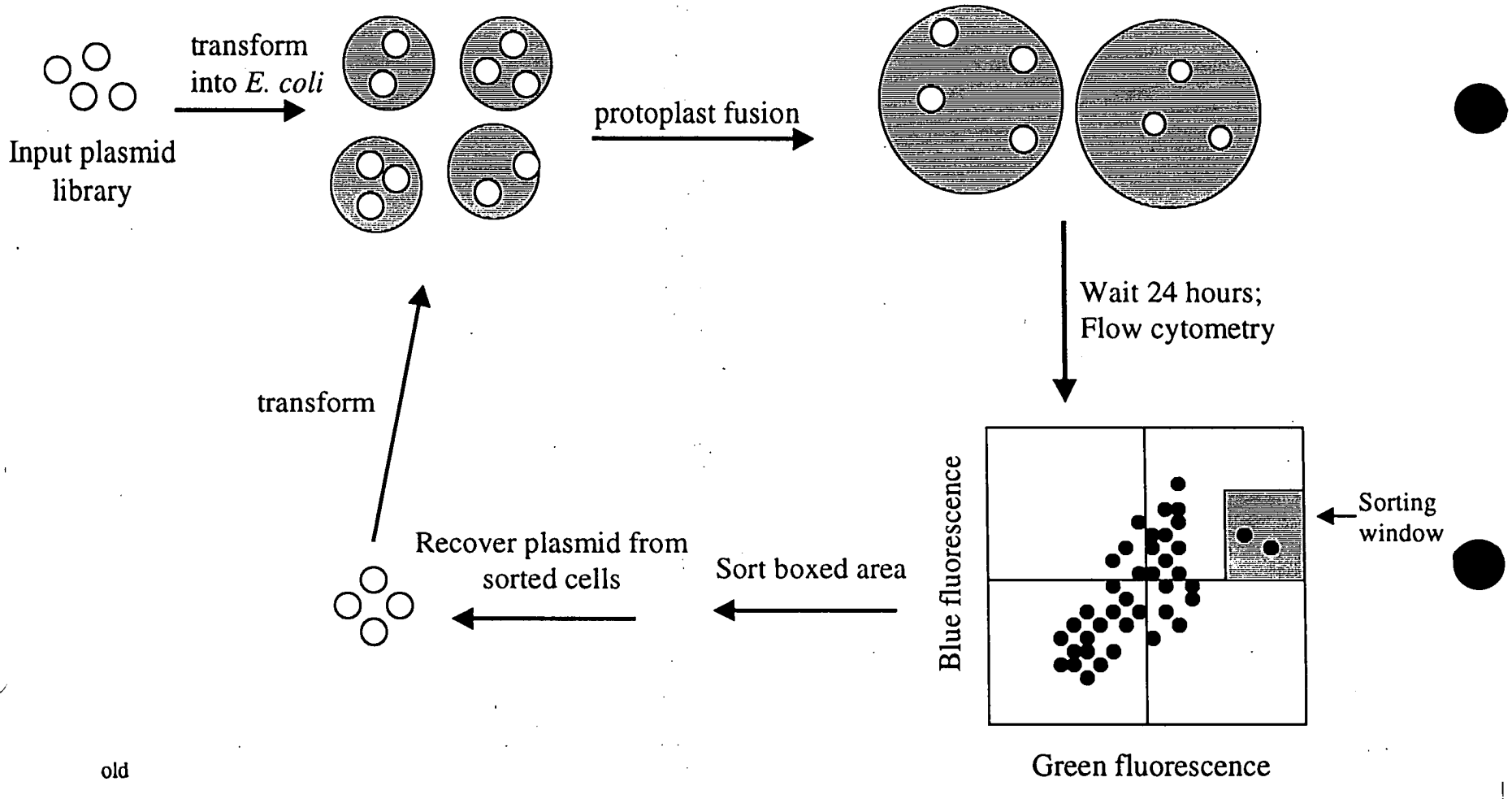


old

FIGURE 1b

Sheet 3 of 11
Title: METHOD TO IDENTIFY IRES ELEMENTS
Inventors: Asim DASGUPTA et al.
Application No.: Not yet assigned
Docket No.: 220002063600

A



old

FIGURE 2a

20020063600

Title: METHOD TO IDENTIFY IRES ELEMENTS
Inventors: Asim DASGUPTA et al.
Application No.: Not yet assigned
Docket No.: 220002063600

B

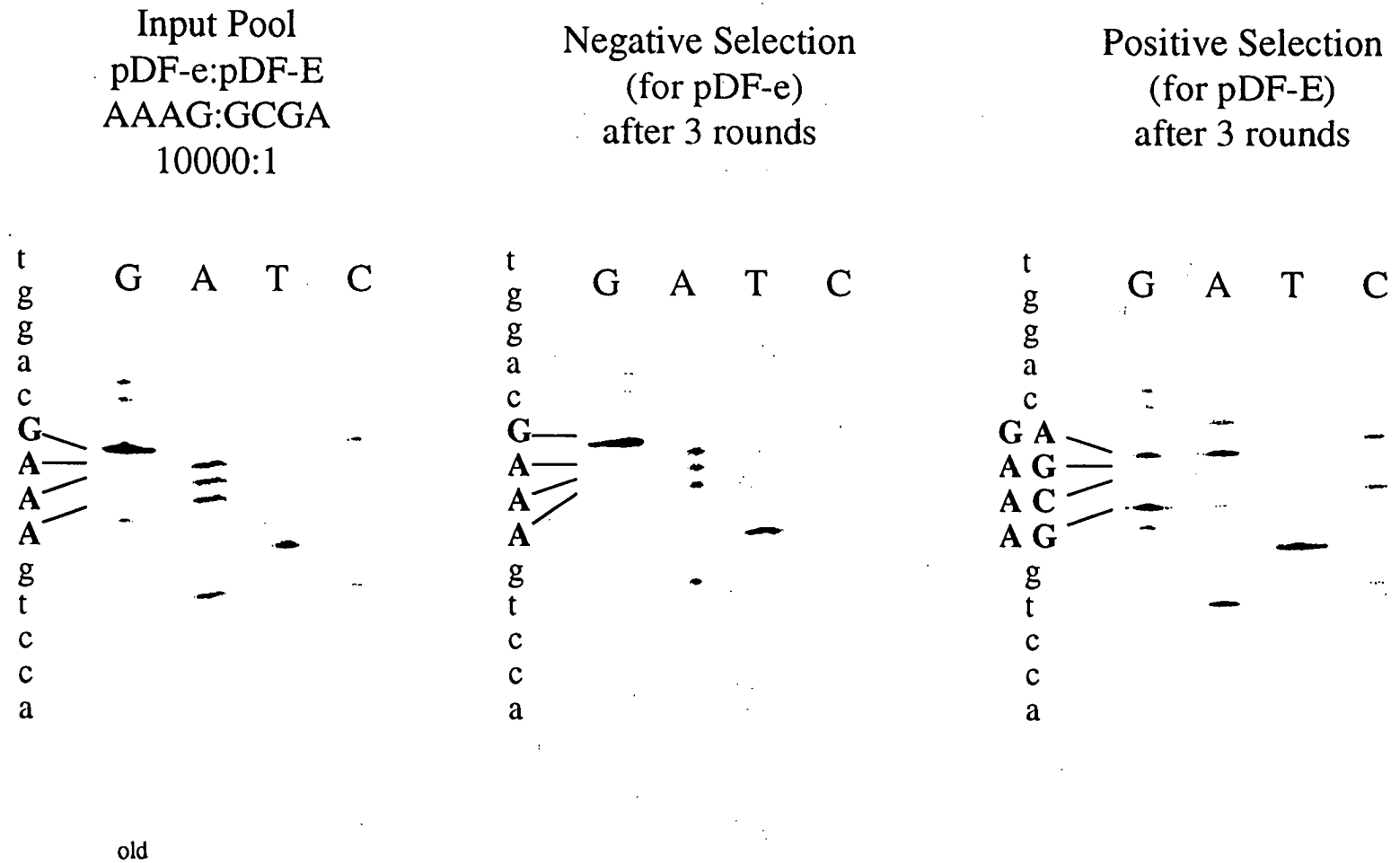


FIGURE 2b

Title: METHOD TO IDENTIFY IRES ELEMENTS
Inventors: Asim DASGUPTA et al.
Application No.: Not yet assigned
Docket No.: 220002063600

Name	Sequence
PS1	5' CACAgTACgTAAgCTTAAgCTAAgCgTAgATAAgggTATATTTTTgCg 3'
PS2	5' gAAATAgCTATCCTCCATCACTgCACCgAgACTACggTTgCgCgTgTCgT 3'
PS3	5' TgACAAACTgTACATgCCgTTAACTgTAATTTTgCgTgATTTTTTTgTAg 3'
PS4	5' AggTggTAgCCgCAAACATAgTTCAATACAAACTTgCTgTCTCggCgg 3'
PS5	5' AggCAgTATAATCAgTTCCCACATAgAAAACCAggACTgTATCAAAgTgT 3'

FIGURE 2C

pLuc-N1
pDF-N
pDF-e
NS1
pDF-E
PS2
PS3
PS4
FL4-Height
FL1-Height
BLUE FLUORESCENCE
GREEN FLUORESCENCE

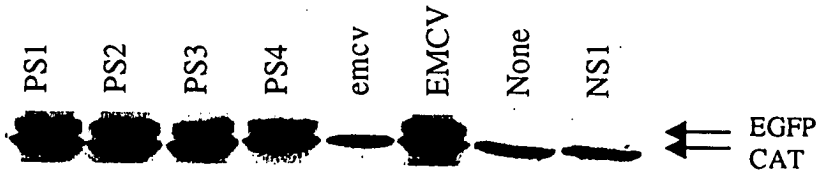
FIGURE 3

old

20020063600 12/12/2002

Title: METHOD TO IDENTIFY IRES ELEMENTS
Inventors: Asim DASGUPTA et al.
Application No.: Not yet assigned
Docket No.: 220002063600

A

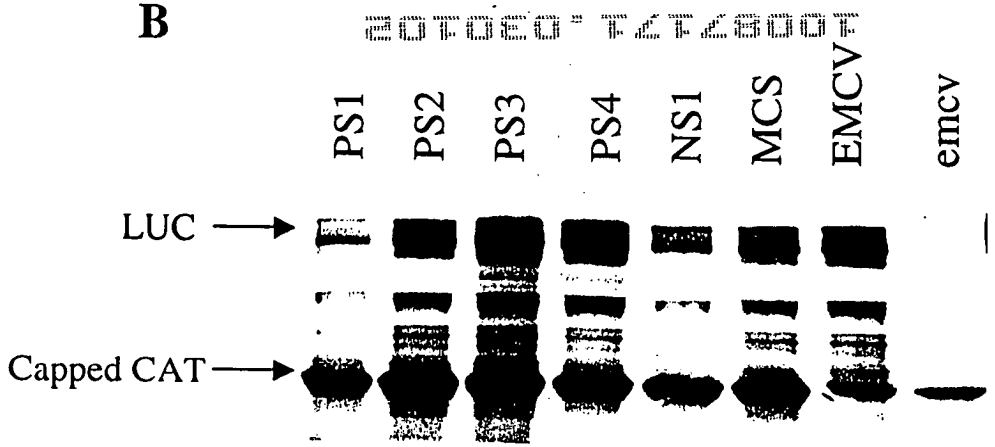


	PS1	PS2	PS3	PS4	emcv	EMCV	None	NS1
EGFP	1.0	1.0	0.88	0.91		0.98		
CAT	1.0	0.98	0.93	0.91	0.75	0.77	0.89	0.87
EGFP/CAT	1.0	1.02	0.95	1.0		1.27		

FIGURE 4a

Title: METHOD TO IDENTIFY IRES ELEMENTS
Inventors: Asim DASGUPTA et al.
Application No.: Not yet assigned
Docket No.: 220002063600

B



LUC	0.77	1.3	1.7	1.7	0.98	1.0	1.4	0.16
CAT	0.93	1.0	1.0	0.98	0.92	1.0	0.76	0.63
LUC/CAT	0.82	1.3	1.7	1.7	1.1	1.0	1.9	0.25

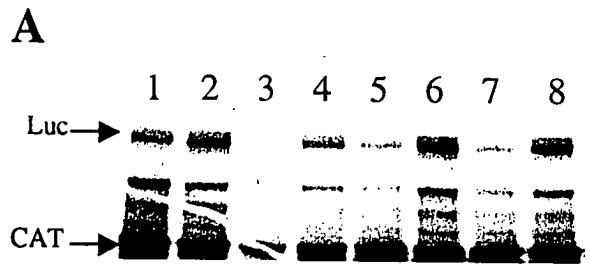
FIGURE 4b

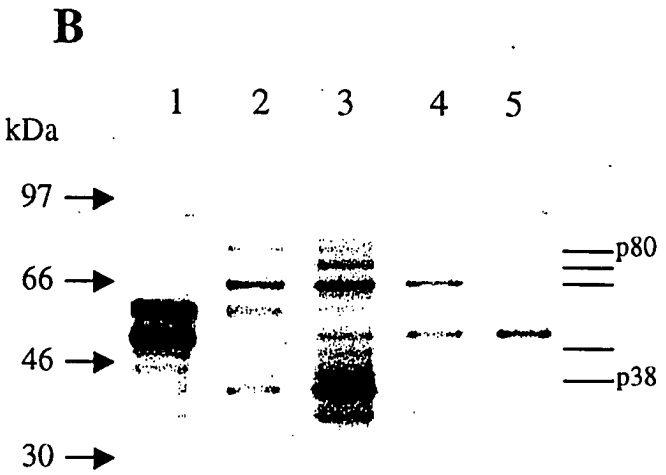
C

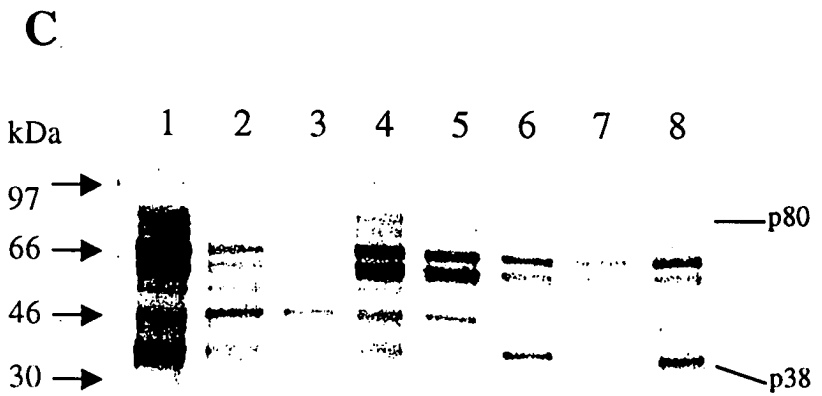
Luc/Rluc (norm)
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
MCS
EMCV
PS1
PS2
PS3
PS4
PS5
NS1

FIGURE 4c

Title: METHOD TO IDENTIFY IRES ELEMENTS
Inventors: Asim DASGUPTA et al.
Application No.: Not yet assigned
Docket No.: 220002063600



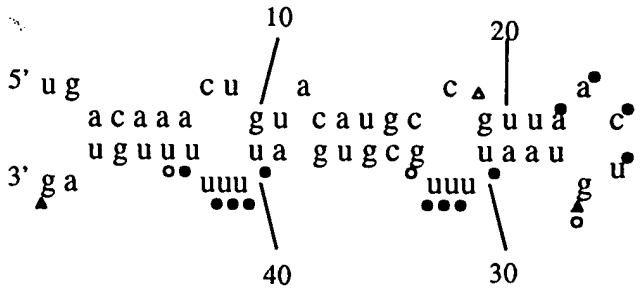




old

FIGURE 5

PS3



PS4

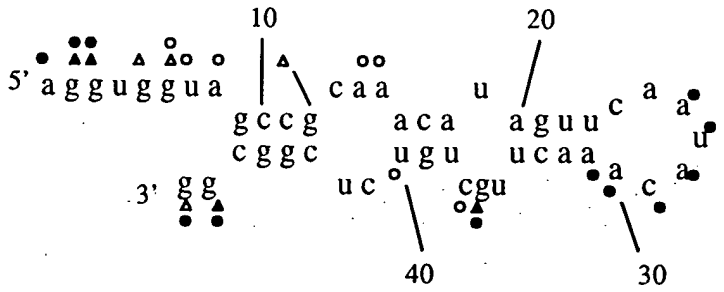


FIGURE 6